

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
2 October 2003 (02.10.2003)

PCT

(10) International Publication Number
WO 03/080199 A1(51) International Patent Classification⁷: A63F 1/10,
A45C 11/18, A63F 1/16

(21) International Application Number: PCT/PL03/00027

(22) International Filing Date: 20 March 2003 (20.03.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
P.352958 22 March 2002 (22.03.2002) PL

(71) Applicant and

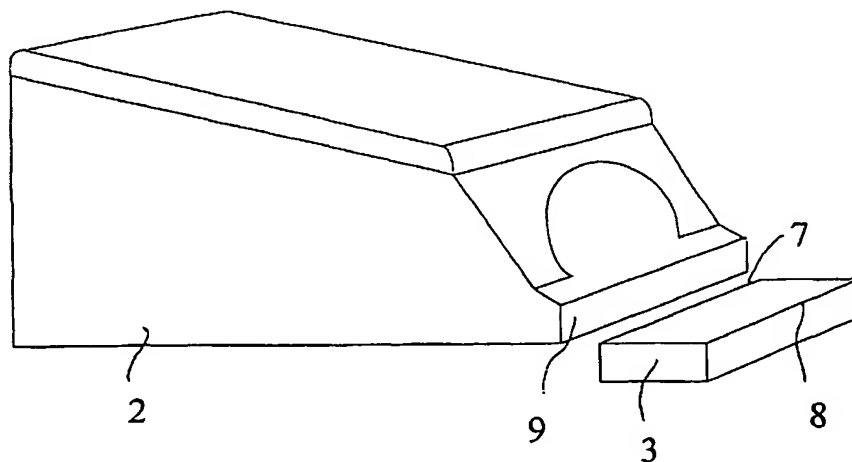
(72) Inventor: WACLAWEK, Wieslaw [PL/PL]; ul. Przy-
byszewskiego 14, PL-05-071 Sulejowek 3 (PL).(81) Designated States (national): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
MX, MZ, NI, NO, NZ, OM, PH, PT, RO, RU, SC, SD, SE,
SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ,
VC, VN, YU, ZA, ZM, ZW.(84) Designated States (regional): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: CARD DISPENSER IN PARTICULAR FOR BUSINESS AND PERSONAL CARDS



(57) Abstract: The device for dispense of cards, especially business and personal cards, in the form of a container shaped as a cuboid block with symmetrical side walls limiting the dimension of the dispenser trunk according to the dimension of the cards being inside and the dispenser is closed from the front side with an inclined front wall having a hole with arched limitation at the top, that making an access of a finger and further down with a rectangular clearance, creating an outlet for cards from the dispenser and the outlet is spreading out for the whole width of the dispenser and making possible dispensing succeeding cards out after the example of the device commonly named as a "shoe" - the invention is characterized by the fact, that the base (1) of the dispenser is raised by a socle (2) and it is supplemented from the front by a shaped receiver (3) favourably in the form of a cube having the dimensions adapted to the front side (9) of the socle (2), placed tangentially to the socle (2) under the outlet for cards and thus a rise of the place of dispensing cards is made which enable to support a thumb as well as taking into fingers the cards pulled out from the dispenser.

CARD DISPENSER IN PARTICULAR FOR BUSINESS AND PERSONAL CARDS

Description

The object of the invention is the device for dispense of cards, especially business and personal cards, after the example of an appliance widely known as "shoe" – for dealing cards in gambling games, for instance in black jack.

Known and applied models of that type as "shoe" comprise of shaped dispenser with incline inside it leaning forward in the direction of card distribution, and the end of the incline rests directly on a table and therefore a card being drawn out can be only pushed forward without possibility of upward movement and reverse it because there is not a convenient surface allowing to take the card with a hand.

The aim of the invention is to solve the problem that there is not an easy grasping of a card after it is put out from the "shoe" and thus hitherto existing, conventional model of the device restricts its using for dealing cards in gambling games only.

A device for dispense of cards, particularly, business and personal cards, is in the shape of a container in the form of hexahedral block with symmetrical sides, limiting the dimension of the container trunk according to the dimension of the cards being inside and the container is closed from the front side with an inclined front wall having a hole with arched limitation at the top, that makes an access of a finger and further down with a rectangular clearance hole creating an outlet for cards, coming out from the container. The outlet is spreading out for the whole width of the dispenser and it makes possible putting succeeding cards out similarly as in the device commonly named as a "shoe" – according to the invention it is characterized by the fact, that the base of the dispenser is raised by a socle and it is supplemented favourably from the front by a shaped receiver in the form of a cube having the dimensions adapted to the front side of the socle, placed tangentially to the socle under the outlet of cards from the dispenser. Thus the outlet of cards is raised and enables to support a thumb as well as to take into fingers the cards pulled out from the dispenser.

The shaped receiver placed before the outlet from the dispenser is an independent element assembled separately to the socle.

The opposite longer edges of the shaped receiver are at the same height in relation to the supporting surface or the opposite longer edges of the shaped element are at the different height and the edge of the shaped receiver contacting with the front surface of the socle is lower in relation to the support surface than the free, opposite edge of the shaped receiver or the edge of the shaped receiver contacting to the front surface of the socle is higher in relation to the support surface than the opposite free edge of the receiver.

The standing out shaped receiver favourably creates an integral part and at the same time it is an extension of the socle assembled to the base of the dispenser.

The socle with protruded shaped receiver is favourably assembled disconnectedly to the base of the dispenser.

The protruded shaped receiver that raises the place where cards are distributed favourable creates an integral unity with the trunk of the dispenser.

The shaped receiver favourably creates integral extension of the separator, placed between the dispenser and an incline in the form of a block that support the base of the dispenser. The shape and the dimension of the extension is adjusted to the front wall of the incline and the separator favourably creates the base of the dispenser and at the same time the incline, on which the cards slips down.

The shaped receiver being an integral extension of the separator, placed between the dispenser and the block incline, supporting the base of the dispenser, favourably has the cuboid shape and it overlaps on the upper edge of the front wall of the incline and the thickness of the shaped receiver is smaller than the height of the incline front wall.

Favourably shaped receiver is an integral part of the incline and it is in the form of upper section extension of the incline front wall.

The other form of the invention, carried out into effect, includes the socle of the dispenser in the form of a cuboid storage bin for spare cards, standing out downward outside the back wall of the dispenser and the side walls of the dispenser are situated obliquely downward and they go away from the upper part of the storage bin.

The shaped receiving element can be also as an extension to the front of an insertion fastening the base of the dispenser in a slanting position in relation to the supporting surface and the insertion is fastened to the base of the dispenser.

The outside storage bin for spare cards is situated on the back wall of the dispenser, having favourably a separate shaped lid, covering the top of the dispenser as well as its back wall with a slit, or it has a separate shaped lid, covering the top of the dispenser as well as three adjoined walls of the receptacle.

The socle of the dispenser can be also in the form of a storage bin for spare cards, placed inside the device and inserted through the back wall of the dispenser and the dispenser is divided crosswise into divisions according to the dimensions of the cards placed therein and it has walls with vertical slits in every divisions in both of their shorter sides as well as shaped openings in the bottom of the divisions under the slits.

The advantage of the device according to the invention consists of the fact, that the place of card distribution contacts the front bottom edge of the "shoe" trunk and at the same time it contacts a table (the end of the incline or the end of the base, acting as a incline), and thus it is raised (by a separate socle or a prolongation toward bottom of the side walls of the "shoe" or a rise of the incline), while using in that place of forward protruded shaped receiver, favourably, in the form of a cube, marking the surface of thumb support, makes more easy seizing into fingers a card pulled out from the "shoe" to take it away.

The shaped receiver protruded before the "shoe" can create an integral element of the "shoe" trunk as shaped extension onwards to its front wall or it can be a part of a separate socle with a possibility of disconnecting the socle from "shoe" trunk or, it can create an extension of bottom part of the "shoe" incline.

Additional favourable element of the equipment is the storage bin for spare cards, placed dependently on a device variant, inside under the incline or outside on the back wall of the dispenser.

Complementary element of the device for dispense of cards is top lid (only one for the whole device or two in the case when the "shoe" is equipped with outside storage bin for spare cards) putting on in order to secure interior from dust or from coming out of the "shoe" contents as a result of an accidental overturn.

The object of the invention is shown in the example of realization on the drawing, on which fig. 1 introduce the conventional device known widely as "shoe", fig. 2 – the device for dispense of cards raised by a socle, fig. 3 – the device according to the invention in perspective view, fig. 4 – the second example of realization of the device from fig. 3, fig. 5 – the third example of realization of the device from fig. 3, fig. 6 – the fourth example of realization of the

device from fig. 3, fig. 7 – the fifth example of realization of the device from fig. 3, fig. 8 – the sixth example of realization of the device from fig. 3, fig. 9 – the second form of the device solution according to the invention, fig. 10 – second example of realization of the device from fig. 9, fig. 11 – the third example of realization of the device from fig. 9, fig. 12 – the third form of the device solution according to the invention, fig. 13 – the fourth form of the device solution according to the invention, fig. 14 and fig. 15 – the fifth form of the device solution according to the invention, fig. 16 and 17 – the device equipped with interior storage bin.

Commonly known device for dispense of cards shown on fig. 1 is in the form of a dispenser A shaped as a hexahedral block with symmetrical side walls, limiting the width of the dispenser trunk according to the dimension of the cards, contained therein and the dispenser is closed from the front side with an inclined front wall having a hole with arched limitation at the top, that makes an access of a finger, and further down with a rectangular clearance hole creating an outlet for cards, coming out from the dispenser. The outlet is spreading out for the whole width of the dispenser and making possible putting succeeding cards out after the example of the device commonly named as a “shoe”.

According to the invention the base 1 of the dispenser A is raised by the socle 2 as shown in fig. 2 and fig. 3 and it is completed in the front by the shaped receiver 3, favourably, in the form of a cube with dimensions adjusted to the front wall 9 of the socle 2, placed contiguously to the socle 2 below the outlet of cards from the dispenser in order to raise the place of card dispense and to enable supporting a thumb as well as taking into fingers the cards pulled out from the dispenser.

The shaped receiver 3 shown on fig. 2 placed before the outlet from the dispenser can be a separate element, assembled separately to the socle 2.

The opposite longer edges 7, 8 of the shaped receiver 3 are at the same height in relation to the supporting surface as shown in fig. 3, or they are at the different height and the edge 7 of the shaped element 3 contacting to the front surface 9 of the socle 2 is lower in relation to the supporting surface than the free, opposite edge 8 of the shaped element 3, as shown in fig. 4, or the edge 7 of the shaped element 3 contacting to the front surface 9 of the socle 2 is higher in relation to the support surface than the opposite free edge 8 of the element 3, as shown in fig. 5.

The standing out shaped element 3 can also create an integral part and at the same time an extension of the socle 2 assembled to the base of the dispenser, as shown in fig. 6.

The socle 2 with protruded shaped receiver 3 can be assembled disconnectedly to the base 1 of the dispenser, as shown in fig. 7.

The protruded shaped receiver 3 that raises the place where cards are dispensed, can be an integral unity with the trunk of the dispenser, as shown in fig. 8.

The shaped receiver 3 raising the place of card dispensing can create integral extension of the separator 5, placed between the dispenser and the block incline 6, that supports the base of the dispenser and the shape and the dimension of the extension is adjusted to the front plate 9a of the incline 6 and the separator 5 favourably create the base of the dispenser and at the same time the incline, on which the cards are slipping down as shown in fig. 9.

The shaped receiver 3 raising the place of card dispensing can create an integral extension of the separator 5a, placed between the dispenser and the block incline 6, supporting the base of the dispenser, and the shaped receiver 3 has, favourably, the cuboid shape and it overlaps on the upper edge 10 of the front plate 9 of the incline 6 and the thickness is smaller than the height of the front wall 9 of the incline 6, as shown in fig. 10.

The shaped receiver 3 raising the place of card dispensing can create an integral extension of the separator 5 placed between the dispenser and the incline in the form of a block 6, as shown in fig. 11.

The shaped receiver 3 raising the point of card dispensing can create an integral part of the incline 6a, and then it is in the form of extension of the upper section of the front wall 11 of the incline 6a, as shown in fig. 12.

In the other form of the invention, carried out into effect, the socle of the dispenser can be in the form of a cuboid storage bin 7 for spare cards, standing out downward outside the back wall of the dispenser and the side walls of the dispenser are situated obliquely downward and they go away from the upper part of the storage bin 7, as shown in fig. 13.

The shaped receiving element 3 can be also as an extension to the front of an insertion 12 fastening the base of the dispenser in a slanting position in relation to the supporting surface and the insertion 12 is fastened to the base 13, as shown in fig. 14 and fig. 15.

The outside storage bin 7 for spare cards is situated on the back wall of the dispenser, may be provided with a separate shaped lid, covering the top of the storage bin 7 as well as its back wall with a slit or it can be provided with a separate shaped lid, covering the top of the storage bin 7 as well as three adjoined walls of the storage bin 7.

The socle of the dispenser can be also in the form of a storage bin for spare cards, placed inside the device and inserted through the back wall of the dispenser and the storage bin is divided crosswise into divisions according to the dimensions of the cards placed therein and it has walls with vertical slits in every divisions in both of their shorter sides as well as shaped opening in the bottom of the divisions under the slits, as shown in fig. 16 and fig. 17.

The advantage of the device according to the invention lies in the fact, that the place of card dispensing contacting with the front bottom edge of the "shoe" trunk and at the same time with a table (the end of the incline or the end of the base, acting as an incline), is raised (by a separate socle or a prolongation toward bottom of the side walls of the "shoe" or a rise of the incline), while using in that place the forward protruded shaped receiver, favourably, in the form of a cube, marking the surface of thumb support, makes more easy seizing into fingers a card pulled out from the "shoe" to take it away.

The solution according to the invention when using business or personal cards, varnished, produced universally, with the characteristics similar to playing cards, create the possibility of widely used invention for advertising and information in any type of offices, service points, commercial points etc.

Claims

1. The device for dispense of cards, especially business cards, in the form of a container shaped as a hexahedral block with symmetrical sides, limiting the dimension of the dispenser trunk according to the dimension of the cards being inside and the dispenser is closed from the front side by an inclined front plate having a hole with arched limitation at the top, that makes an access of a finger, and further down with a rectangular clearance hole creating an outlet for cards, coming out from the dispenser, and the outlet is spreading out for the whole width of the dispenser making possible putting succeeding cards out after the example of the device commonly named as a "shoe", characterised in that the base (1) of the dispenser is raised by the socle (2) and it is supplemented, favourably, from the front by a shaped receiver (3), favourably, in the form of a cube having the dimensions adapted to the front side (9) of the socle (2), placed tangentially to the socle (2) under the outlet for cards from the dispenser, thus the outlet for cards is raised and it enables to support a thumb as well as to take into fingers the cards pulled out from the dispenser.

2. The device according to the claim 1, characterised in that the shaped receiver (3), placed before the outlet from the dispenser is a separate element, assembled separately to the socle (2).

3. The device according to the claim 1, characterised in that the opposite longer edges (7, 8) of the shaped receiver (3) are placed as high as the supporting surface.

4. The device according to the claim 1, characterised in that the opposite longer edges (7, 8) of the shaped receiver (3) are placed on different height and the edge (7) of the shaped receiver (3) contacting to the front surface (9) of the socle (2) is lower in relation to the support surface than the free, opposite edge (8) of the shaped receiver (3).

5. The device according to the claim 1, characterised in that the opposite longer edges of the shaped receiver (3) are placed on different height and the edge (7) of the shaped receiver (3) contacting to the front surface (9) of the socle (2) is higher in relation to the support surface than the free, opposite edge (8) of the shaped receiver (3).

6. The device according to the claim 1, characterised in that the protruded shaped receiver (3) create an integral part and at the same time the extension of the socle (2) assembled on the base of the dispenser.

7. The device according to the claim 6, characterised in that the socle (2) with the protruded shaped receiver (3) is assembled disconnectedly on the base of the dispenser.

8. The device according to the claim 1, characterised in that the protruded shaped receiver (3) creates an integral unity with the dispenser trunk.

9. The device according to the claim 1, characterised in that the shaped receiver (3) creates an integral extension of the separator (5), placed between the dispenser and the inclined block (6) supporting the base of the dispenser, and the extension is adjusted to the shape and dimensions of the front wall (9a) of the incline (6) and the separator (5), favourably, create the base of the dispenser and at the same time the incline, on which the cards are slipping down.

10. The device according to the claim 1, characterised in that the shaped receiver (3) create an integral extension of the separator (5a), placed between the dispenser and the inclined block (6), supporting the base of the dispenser and the shaped receiver (3) favourably is cuboid in shape and it overlaps on the upper edge (10) of the front plate (9) of the incline (6) and the thickness of the shaped receiver is smaller than the height of the front wall (9) of the incline (6).

11. The device according to the claim 1, characterised in that the shaped receiver (3) is an integral extension of the separator (5), placed between the dispenser and the block incline (6).

12. The device according to the claim 1, characterised in that the shaped receiver (3) creates an integral part of the incline (6a) and it is in the form of upper section extension of the front wall (11) of the incline (6a).

13 The device according to the claim 1, characterised in that the socle of the dispenser is in the form of a cuboid storage bin (7) for spare cards, standing out downward outside the back wall of the dispenser and the side walls of the dispenser are situated obliquely downward and they go away from the upper part of the storage bin (7).

14. The device according to the claim 1, characterized in that the shaped receiving element (3) creates an extension toward the front of the insertion (12), fastening the base of the dispenser in a slanting position in relation to the supporting surface and the insertion (12) is fastened on the base (13) of the dispenser.

15. The device according to the claim 13, characterised in that the outside storage bin (7) for spare cards, placed on the back wall of the dispenser, has a separate shaped lid, covering the top of the storage bin (7) as well as its back wall with a slit.

16. The device according to the claim 13, characterised in that the outside storage bin (7) for spare cards, placed on the back wall of the dispenser, has a separate shaped lid, covering the top of the storage bin (7) as well as neighbouring three walls of the storage bin (7).

17. The device according to the claim 1, characterised in that the socle of the dispenser is in the form of storage bin for spare cards, placed inside the device and the storage bin can be inserted through the back wall of the dispenser. The storage bin is divided crosswise for divisions according to the dimensions of the cards placed therein and it has walls with vertical slits in every divisions in both of their shorter sides as well as shaped openings in the bottom of the divisions under the slits.

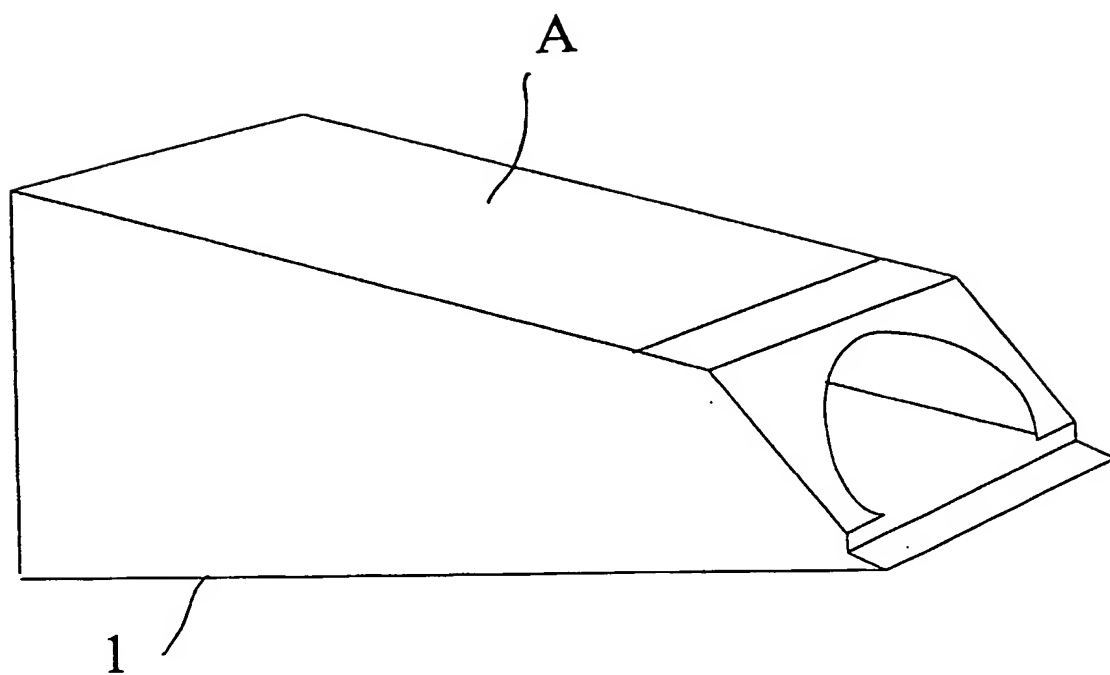


Fig. 1

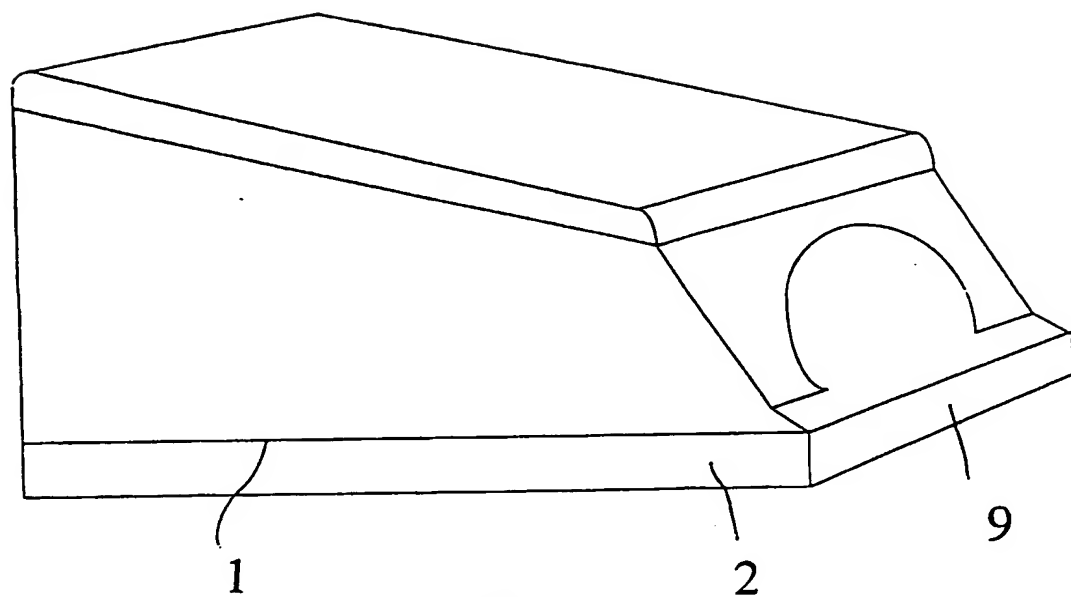


Fig. 2

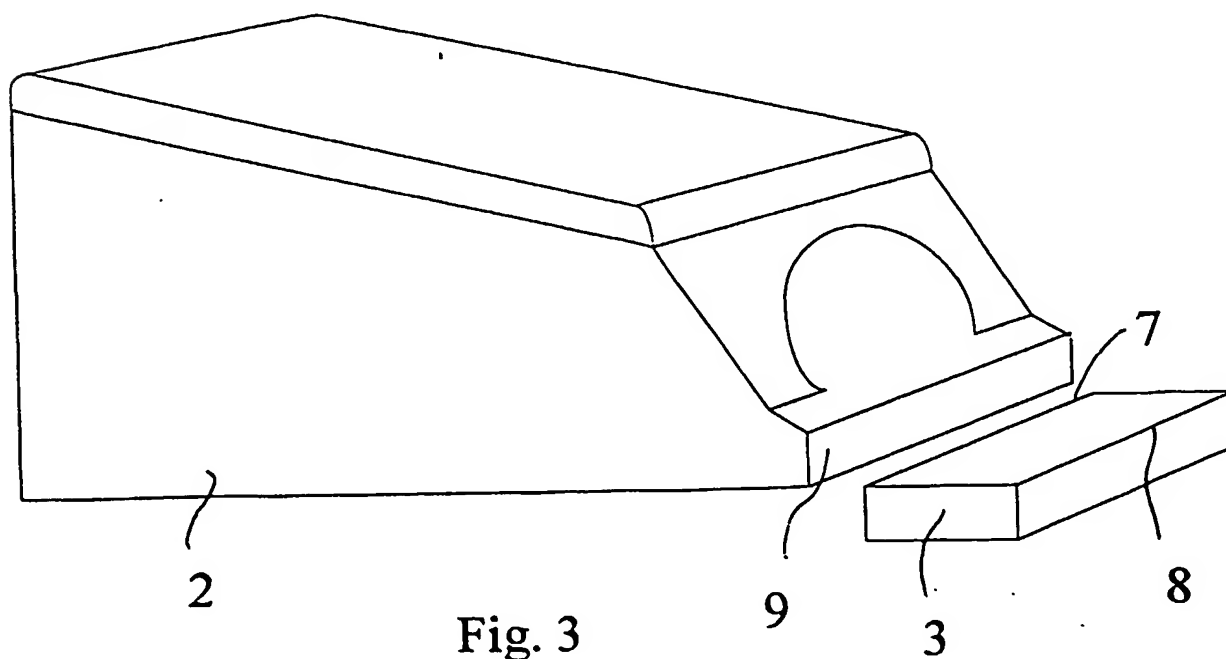
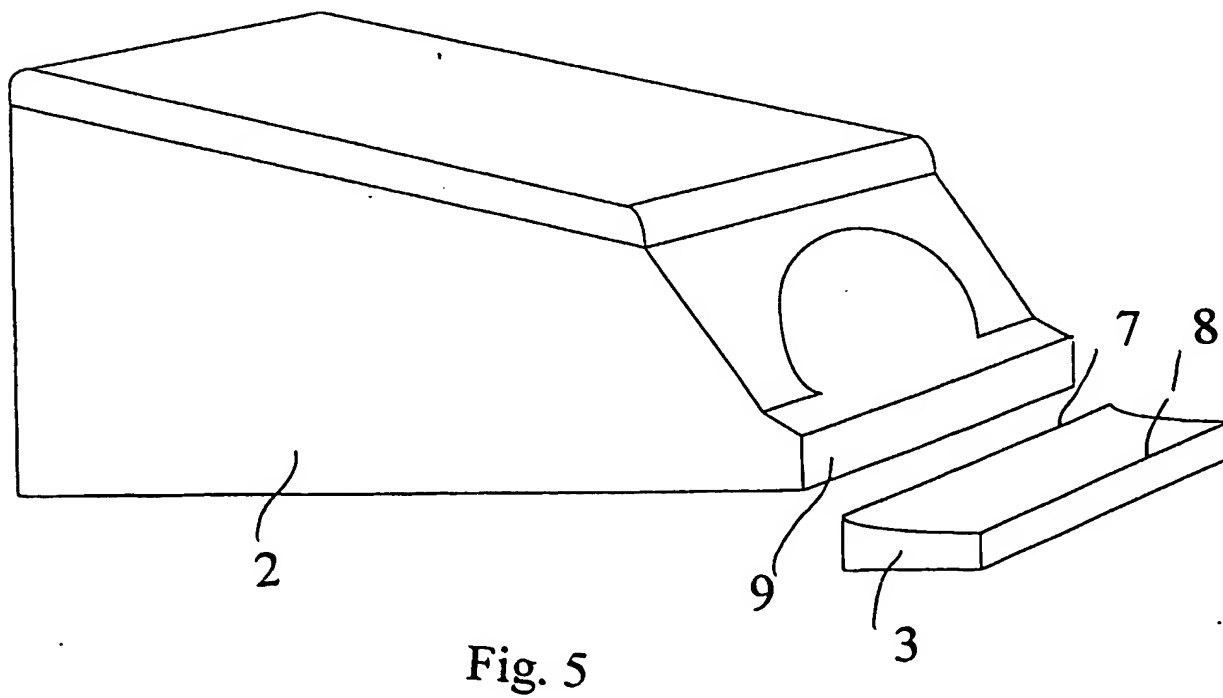
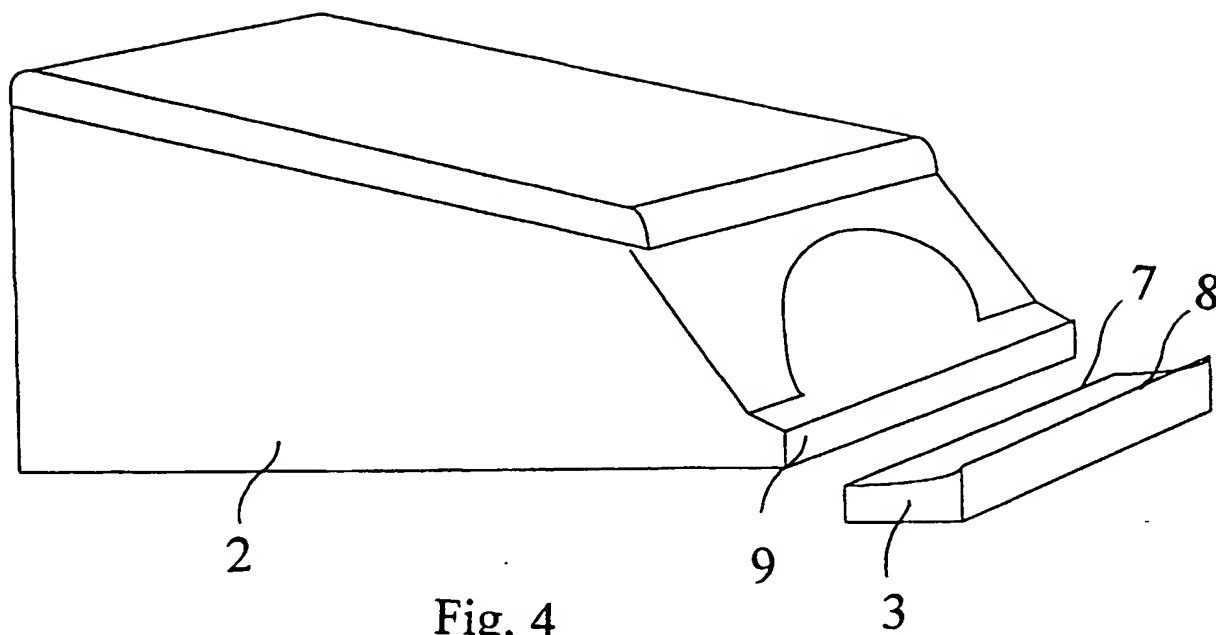
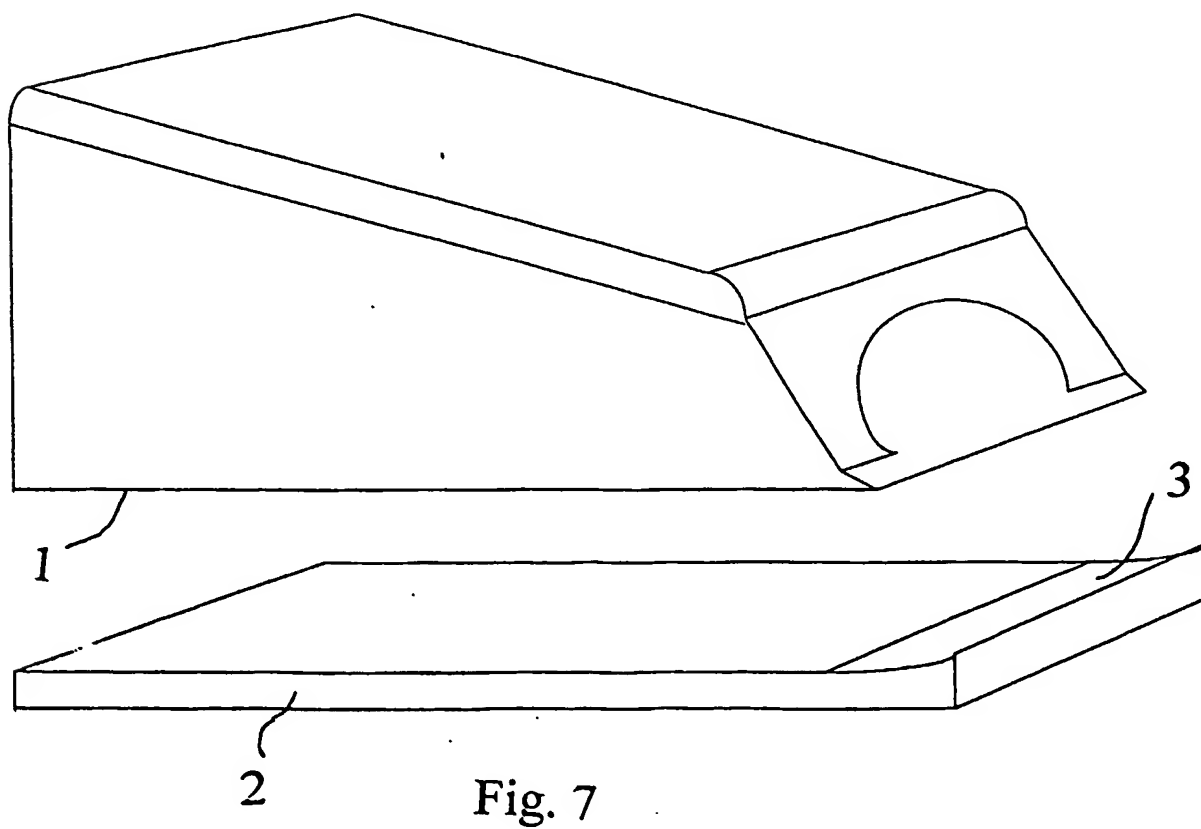
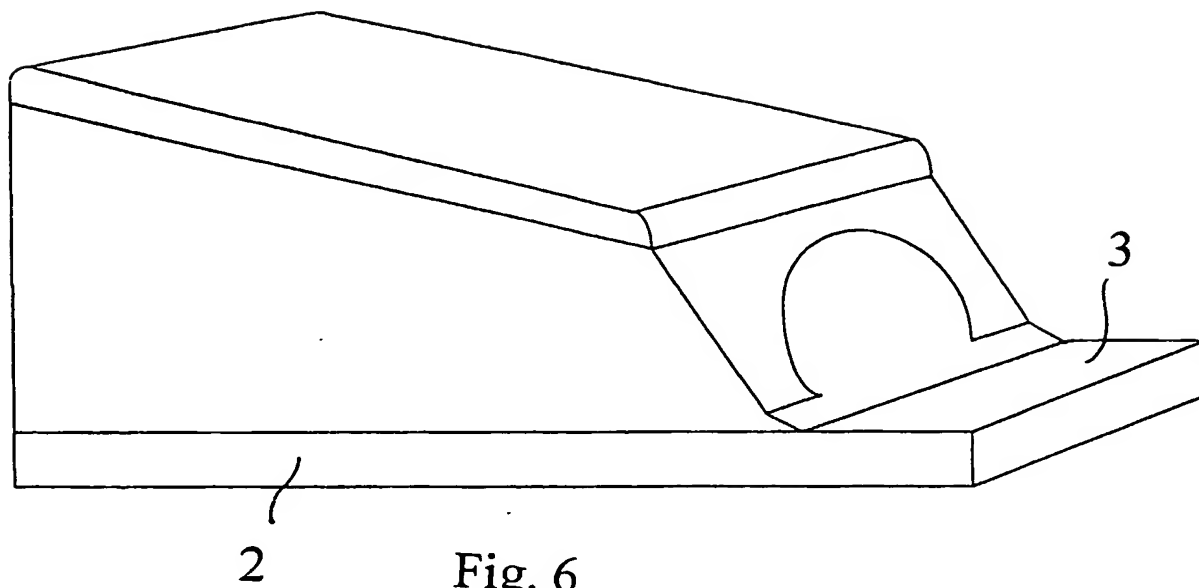


Fig. 3





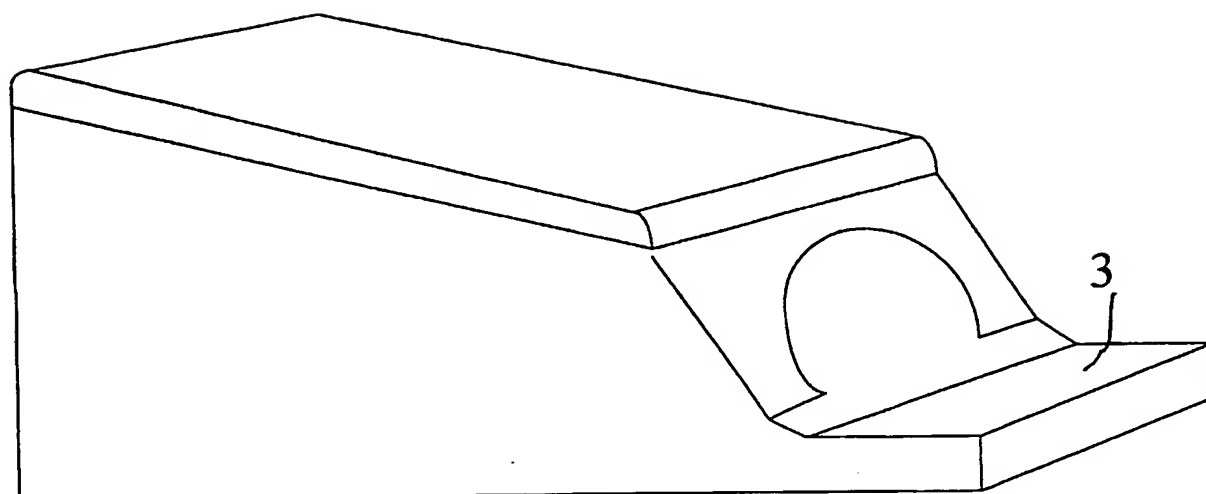


Fig. 8

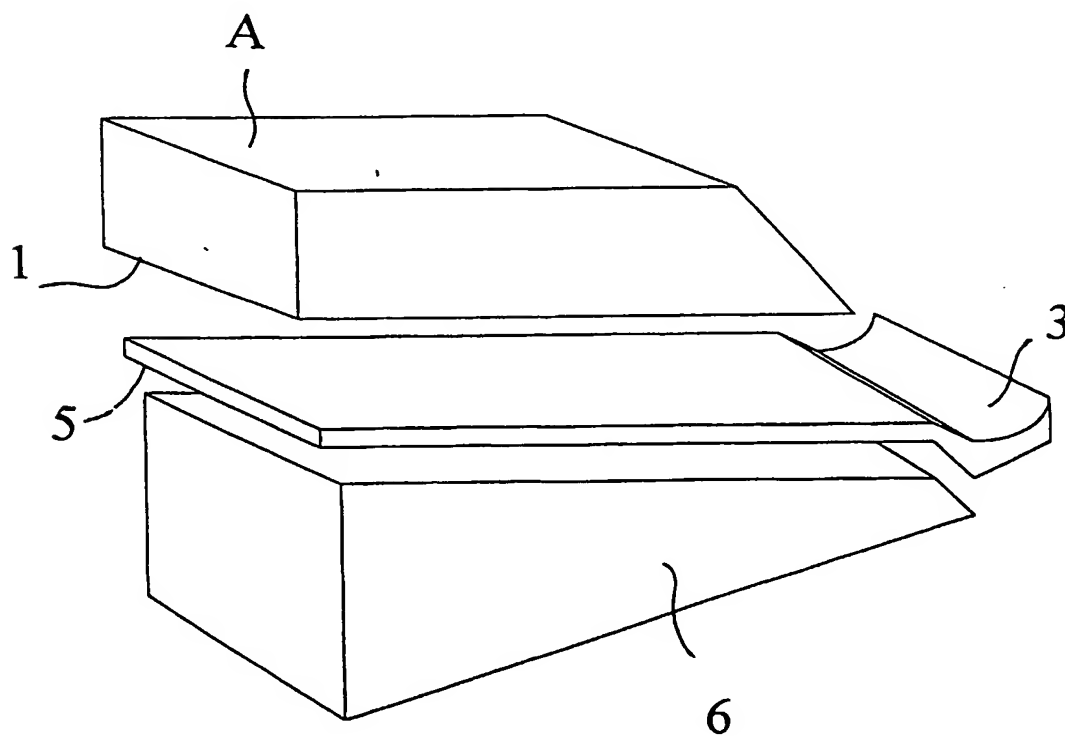
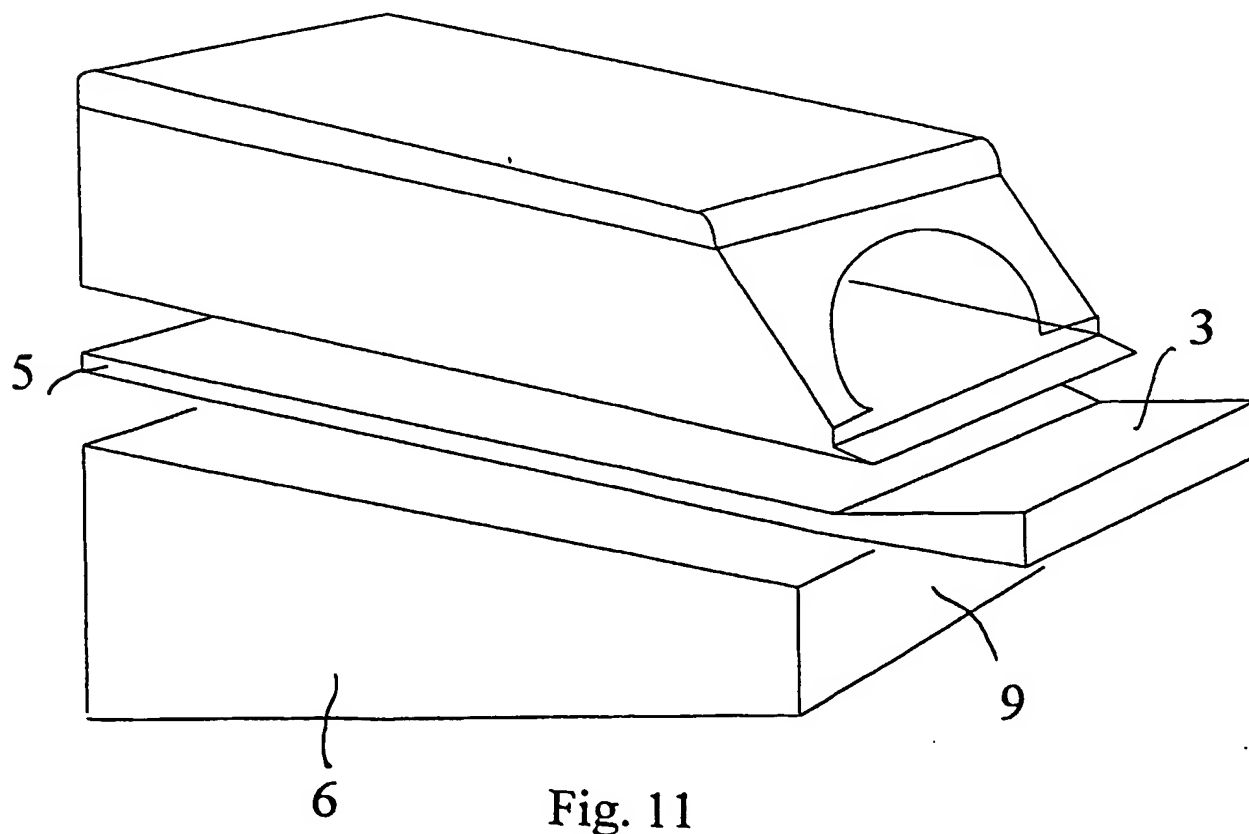
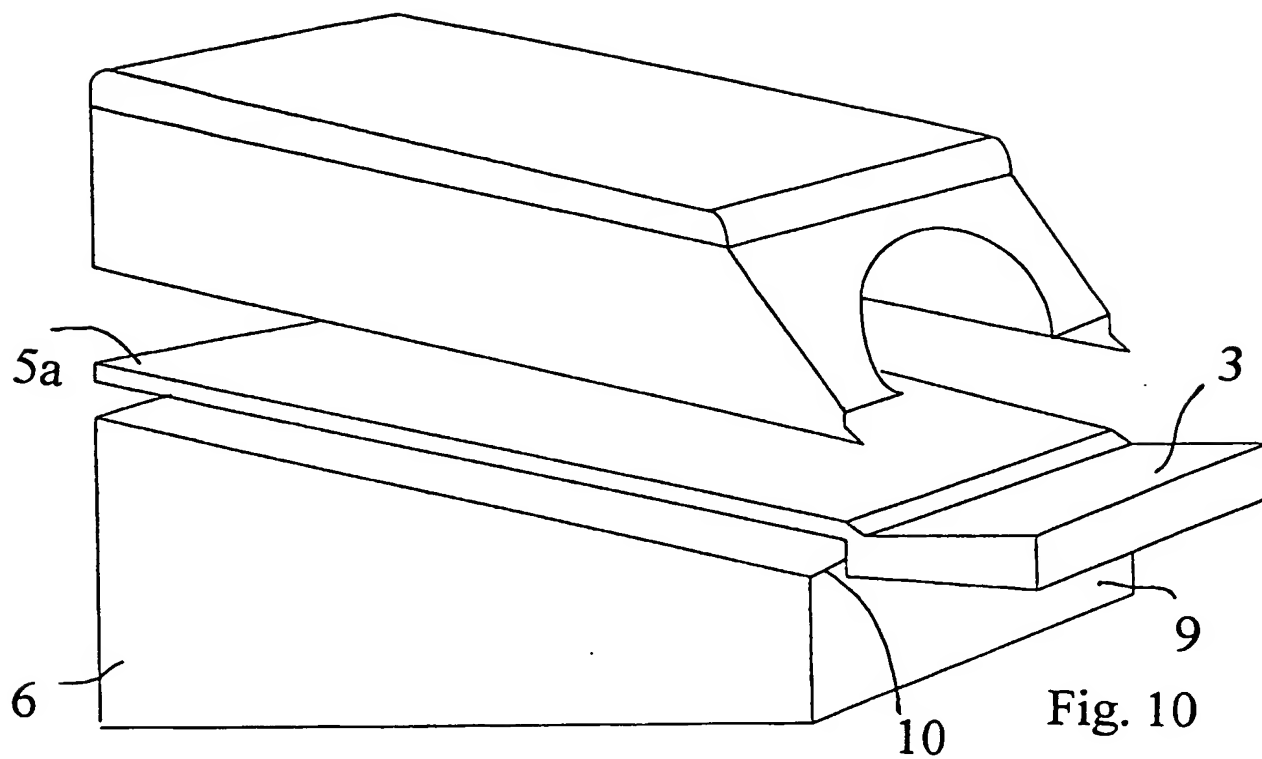


Fig. 9



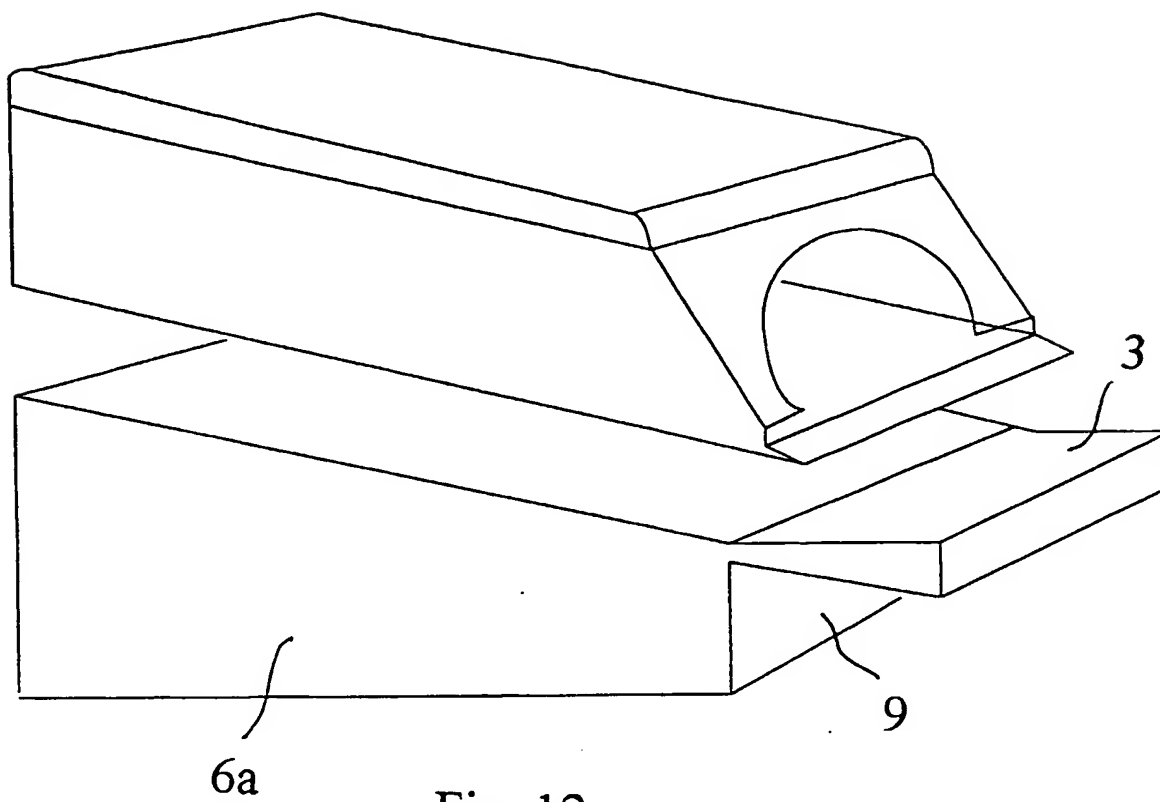


Fig. 12

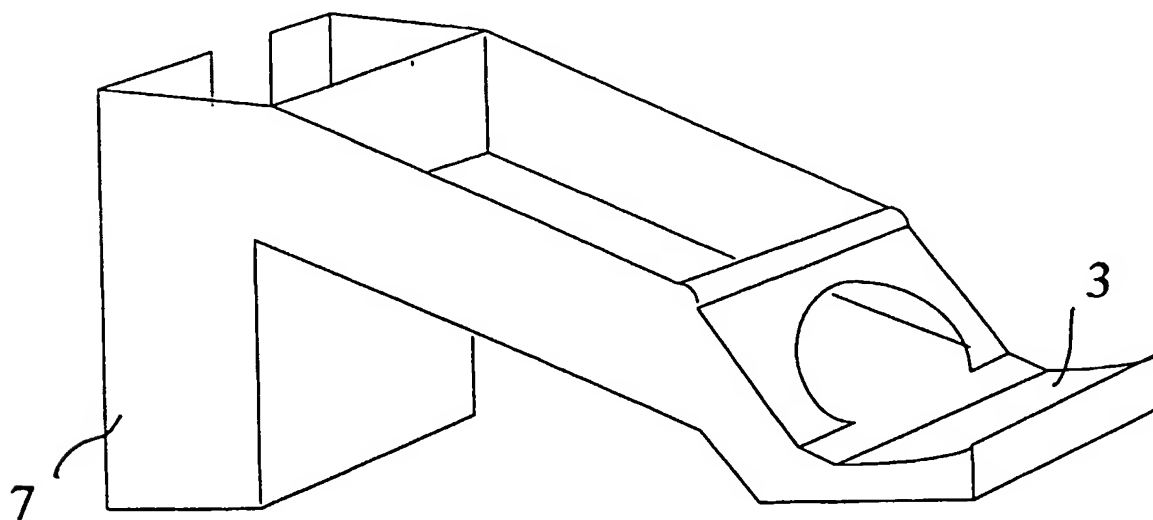
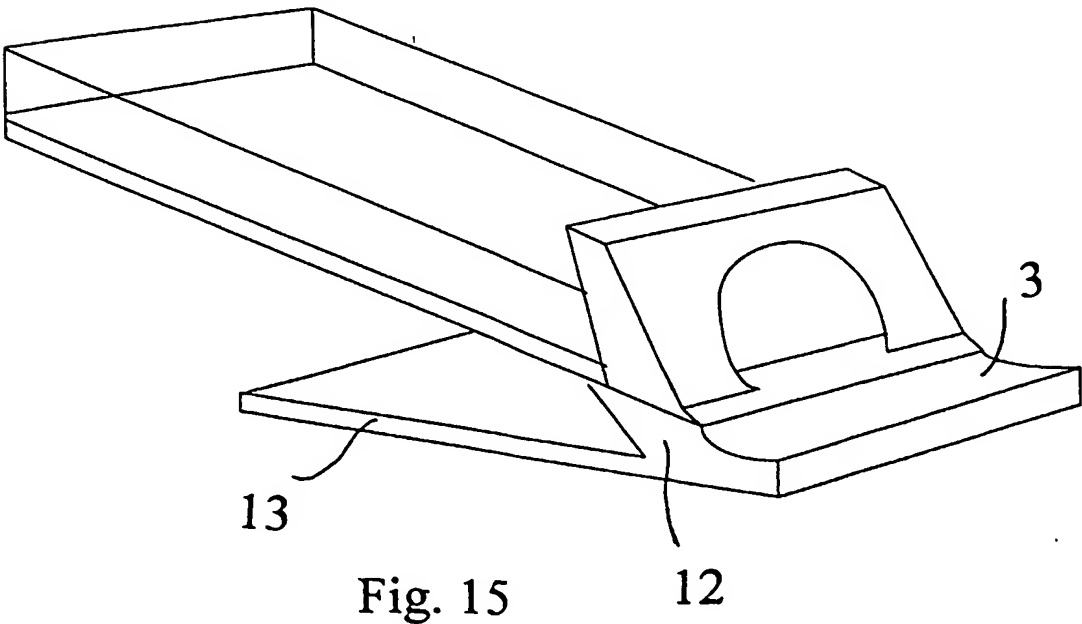
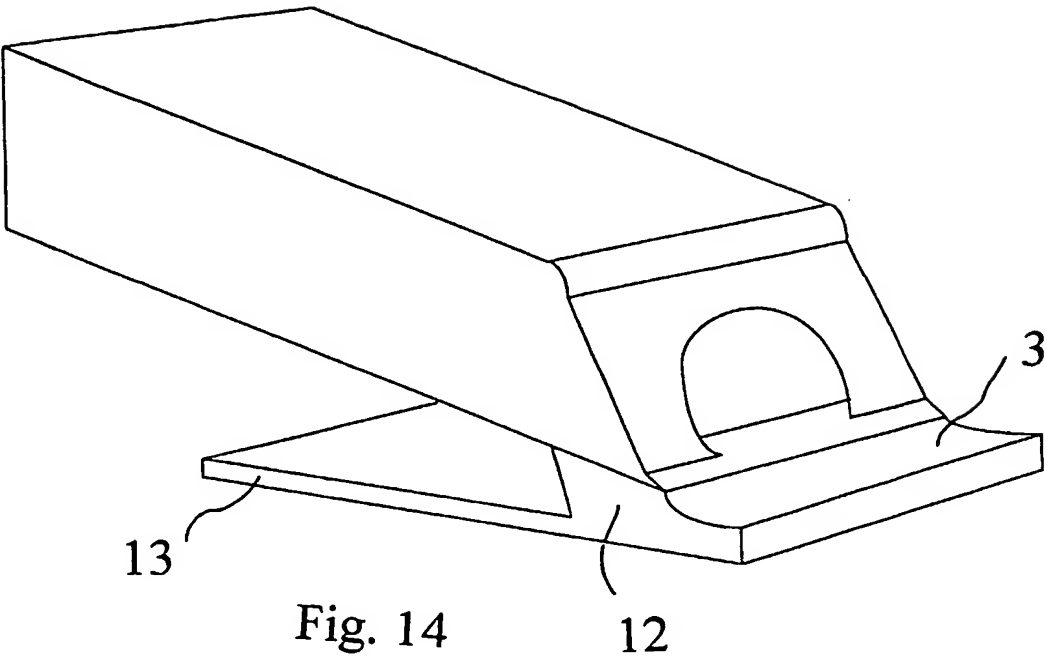


Fig. 13



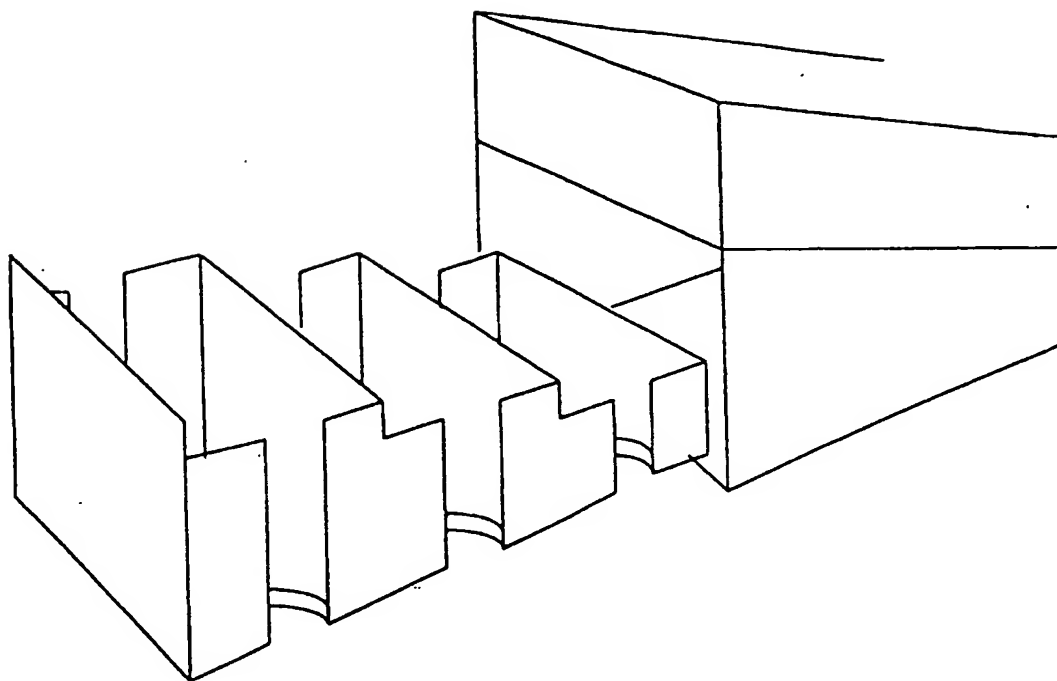


Fig. 16

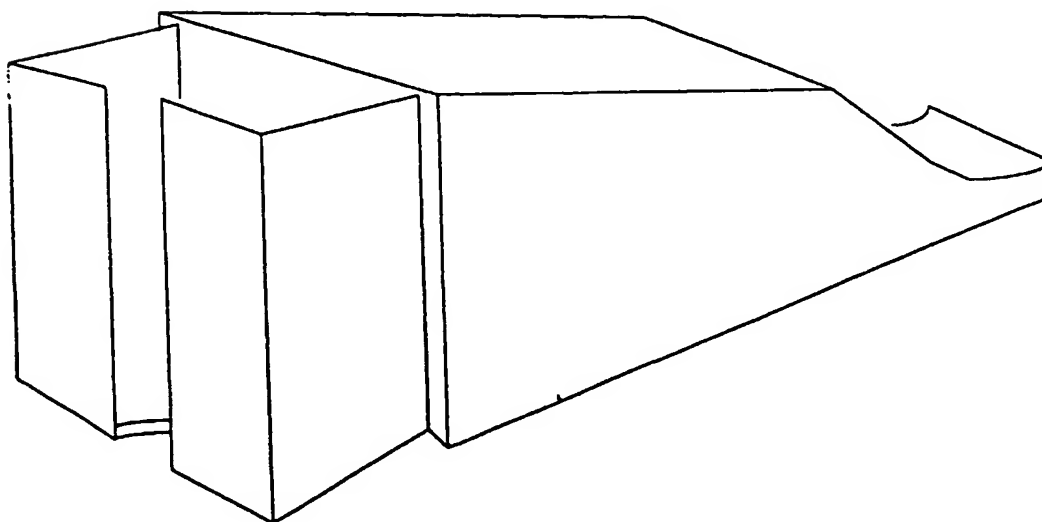


Fig. 17

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/PL 03/00027

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A63F1/10 A45C11/18 A63F1/16

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A63F A45C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	FR 1 050 106 A (COBIANCHI VITTORIO) 5 January 1954 (1954-01-05)	6,7
A	the whole document	1-5,8-17
A	US 5 382 024 A (BLAHA ERNST) 17 January 1995 (1995-01-17) column 3, line 55 -column 5, line 64; figure 1	1-5,8-17
A	US 5 941 769 A (ORDER MICHAEL) 24 August 1999 (1999-08-24) claim 1; figures 1-3	1
A	US 3 929 339 A (MATTIOLI LUCIANO) 30 December 1975 (1975-12-30) the whole document	1



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

G document member of the same patent family

Date of the actual completion of the international search

11 August 2003

Date of mailing of the international search report

01/09/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Brumme, I

INTERNATIONAL SEARCH REPORT

Internatio pplication No

PCT/PL 03/00027

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
FR 1050106	A	05-01-1954	NONE
US 5382024	A	17-01-1995	AT 401887 B 27-12-1996
		AT 201192 A 15-05-1996	
		AT 169835 T 15-09-1998	
		AU 659034 B2 04-05-1995	
		AU 4862293 A 28-04-1994	
		CA 2108196 A1 14-04-1994	
		DE 59308886 D1 24-09-1998	
		DK 597818 T3 25-05-1999	
		EP 0597818 A2 18-05-1994	
		ES 2118929 T3 01-10-1998	
		ZA 9306958 A 15-04-1994	
US 5941769	A	24-08-1999	DE 4439502 C1 14-09-1995
		AT 167407 T 15-07-1998	
		AU 692306 B2 04-06-1998	
		AU 3604195 A 31-05-1996	
		BG 62275 B1 30-07-1999	
		BG 101508 A 27-02-1998	
		BR 9509619 A 30-09-1997	
		CA 2195329 A1 17-05-1996	
		CN 1162926 A ,B 22-10-1997	
		WO 9614115 A1 17-05-1996	
		DE 59502620 D1 23-07-1998	
		DK 790848 T3 06-04-1999	
		EP 0790848 A1 27-08-1997	
		ES 2120233 T3 16-10-1998	
		FI 971839 A 29-04-1997	
		HU 77268 A2 02-03-1998	
		JP 3065665 B2 17-07-2000	
		JP 10508236 T 18-08-1998	
		KR 240773 B1 15-01-2000	
		NO 972112 A 07-05-1997	
		NZ 293567 A 28-05-1999	
		PL 320057 A1 01-09-1997	
		RO 117001 B 28-09-2001	
		RU 2139748 C1 20-10-1999	
		SI 9520121 A 31-12-1997	
		SK 27197 A3 08-10-1997	
		TR 960468 A2 21-07-1996	
		ZA 9509383 A 30-07-1996	
US 3929339	A	30-12-1975	IT 995524 B 20-11-1975
		DE 2443591 A1 03-04-1975	
		FR 2245390 A1 25-04-1975	
		GB 1456051 A 17-11-1976	
		JP 50060340 A 24-05-1975	
		NL 7412078 A 02-04-1975	